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(71) Applicant (for all designated States except US): THOMSON LICENSING S.A. [FR/FR]; 46, quai A. Le Gallo, F-92648 Boulogne (FR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): PERDUE, Kenneth, Lee [US/US]; 1417 Carey Court, Carmel, IN 46032 (US).

(74) Agents: TRIPOLI, Joseph, S. et al.; c/o Thomson Licensing Inc., Two Independence Way, Suite #2, Princeton, NJ 08540 (US).

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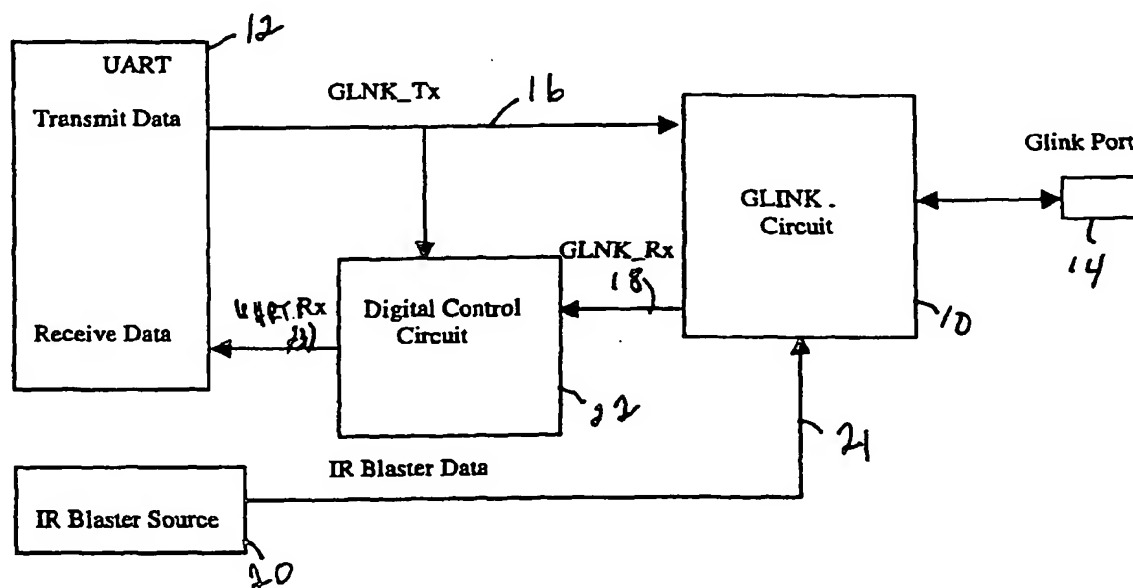
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(54) Title: CONTROL CIRCUIT



(57) Abstract: A digital control circuit enables/disables the feedback of serial transmissions of an UART receive signal when the G-LINK output port is short circuited in a particular operational mode. In a conventional operational mode, the digital control circuit monitors the state of the UART's Tx output and during an UART transmission, the Rx line normally is used for data feedback to set to a high state and eliminate unnecessary or unwarranted UART interrupts generated by the G-LINK circuit. The digital control circuit thus enables the G-LINK signal feedback to the UART when required, thereby maintaining a functionality to identify the unit's operational mode and allows the serial ports of the G-LINK to be configured and utilized during conventional operational modes.

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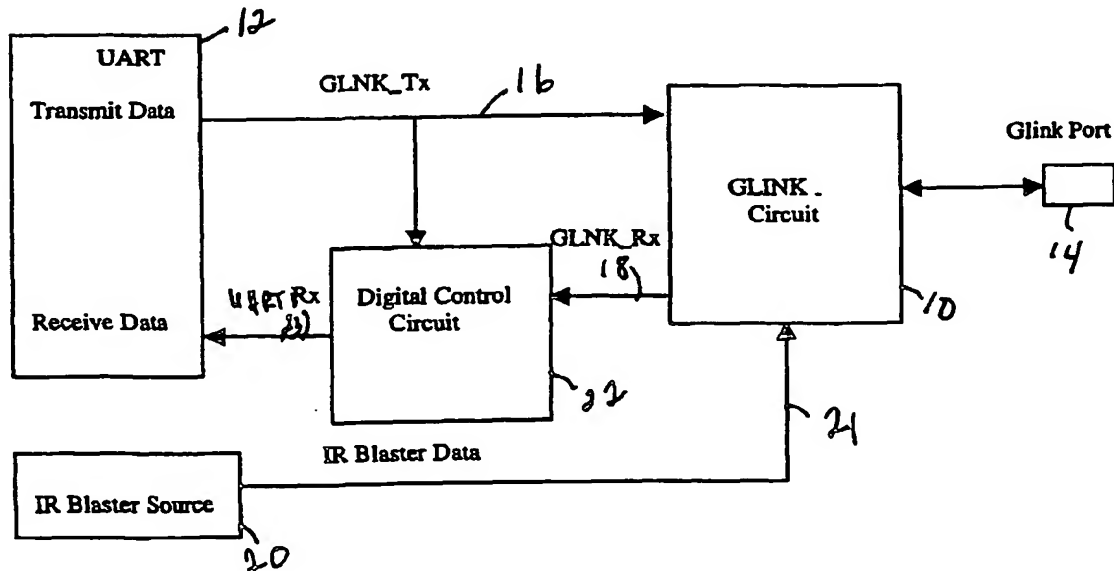
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(54) Title: DIGITAL CONTROL CIRCUIT FOR SERIAL UART TRANSMISSIONS



(57) Abstract: A digital control circuit enables/disables the feedback of serial transmissions of an UART receive signal when the G-LINK output port is short circuited in a particular operational mode. In a conventional operational mode, the digital control circuit monitors the state of the UART's Tx output and during an UART transmission, the Rx line normally is used for data feedback to set to a high state and eliminate unnecessary or unwarranted UART interrupts generated by the G-LINK circuit. The digital control circuit thus enables the G-LINK signal feedback to the UART when required, thereby maintaining a functionality to identify the unit's operational mode and allows the serial ports of the G-LINK to be configured and utilized during conventional operational modes.



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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G06F13/38 H04N5/445

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 862 354 A (ADAMS MATTHEW K ET AL) 19 January 1999 (1999-01-19) column 1, line 251 -column 2, line 7 column 2, line 48 -column 4, line 4 abstract	1-20
A	WO 01 02942 A (INDEX SYSTEMS INC; KHAN ZAFAR) 11 January 2001 (2001-01-11) page 2, line 6 -page 4, line 21 page 13, line 1 -page 14, line 10 abstract	1-20
A	WO 00 70867 A (INDEX SYSTEMS INC ; DIAS STEPHEN R (US); KHAN ZAFAR (US); MACRAE DO) 23 November 2000 (2000-11-23) abstract page 3, line 1 -page 4, line 23	1-20



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Date of the actual completion of the international search

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European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3018

Authorized officer

Nguyen Xuan Hiep, C

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information on patent family members

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